

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Haynes International, Inc.

Indiana MEP - Purdue Technical Assistance Program

Haynes International Becoming Energy Lean with Assistance from TAP

Client Profile:

Haynes International, Inc., headquartered in Kokomo, Indiana, is a leading developer, manufacturer and marketer of high-performance nickel- and cobalt-based alloys used in corrosion and high-temperature applications.

Situation:

In 2007, Haynes spent \$9.5 million on natural gas and \$5 million on electricity for the Kokomo operations, and like other energy intensive manufacturers, needed to explore ways to reduce energy consumption. The company contacted the Purdue Technical Assistance Program (TAP), a NIST MEP network affiliate, for help.

Solution:

Haynes implemented a five-person Energy Savings Team to identify and implement energy savings projects. Team members participated in TAP's Industrial Energy Efficiency Practitioner training program that taught them the fundamentals and ways to improve energy efficiency in process heating, compressed air, electric motors as well as how to conduct energy and environmental value stream mappings to identify areas of waste throughout its manufacturing system. The resulting projects included optimizing the burner ratio on its furnaces and a lighting retrofit initiative.

Results:

- * Realized \$18,000 in cost savings for natural gas over three-month period.
- * Anticipated cost savings of \$360,000 annually.

Testimonial:

"The collaboration with Purdue has provided us with the tools to identify and achieve our reduction goals. We have been extremely pleased with the level of support provided by the Purdue TAP Energy Efficiency Services. The training sessions have been very informative and we have been able to apply that knowledge to our current plant operations and to identify a number of potential energy savings projects."

Greg Morrow, Environmental Manager